

## Greenwood County Early Action Plan for the 8-Hour Ozone Standard

### Background

In 1997, the Environmental Protection Agency (EPA) revised the National Ambient Air Quality Standard (NAAQS) for Ozone from a one-hour standard to an 8-hour standard. This was done to reflect the latest understanding of the effects of ozone exposure and provide public health protection with adequate margin of safety. EPA will be designating areas as attainment (meeting the standard) or non-attainment (not meeting the standard) in April of 2004. This designation will be based on the most recent three years of monitoring data (i.e., 2001, 2002, 2003). The Department of Health and Environmental Control (DHEC) has an intensive monitoring network covering the state and routinely monitors for ozone during the months of April through October. This time period is often referred to as the "Ozone Season." If an area is designated non-attainment, the Clean Air Act (CAA) requires states to revise their State Implementation Plan (SIP) outlining how the area will return to attainment within a certain time period. If EPA designates areas in South Carolina as non-attainment in April of 2004, a revision to the South Carolina SIP will be due no later than 2007. Additionally, once an area is designated as non-attainment, the CAA has specific requirements that must be implemented. These requirements affect industry, economic development, and transportation. One requirement, Non-attainment New Source Review sets out the level of emissions reductions required for new and modified industrial facilities. Another requirement of non-attainment areas is to coordinate local transportation and air quality planning to ensure that transportation plans, programs and projects are consistent with air quality goals. According to the CAA, transportation plans, programs, and projects cannot create new violations of the Federal air quality standards; increase the frequency or severity of existing violations of the standard; or, delay attainment of standards.

The above approach is commonly referred to as the "traditional" approach. While safeguards for areas to return to attainment are included, certain prescriptive requirements may not be appropriate for all areas designated non-attainment for the 8-hour ozone standard. As a result, EPA provided an option for areas that were meeting the one-hour standard to attain the 8-hour ozone standard by December 31, 2007, and obtain cleaner air sooner than currently federally mandated. This option offers a more expeditious time frame for achieving emissions reductions, while providing "fail-safe" provisions for the area to revert to the traditional SIP process if specific milestones are not met. EPA will move forward with the designation process (attainment or non-attainment) but will defer the effective date, thus the prescriptive requirements of non-attainment designations, provided all terms and conditions of an Early Action Compact (EAC) are being met.

Forty-five counties in South Carolina elected to participate in the development of an Early Action State Implementation Plan (EAP). Participants in the EAC include the county, DHEC and the EPA. All of these parties agree to work together to implement federal, state and local emissions control measures that will allow the non-attainment areas to attain the 8-hour ozone standard earlier and therefore avoid implementing costly prescriptive measures. The EAC requires that all counties submit a local Early Action Plan to DHEC by March 31, 2004.

Although our county is not a potential area to be designated non-attainment for the 8-hour ozone standard, other areas in South Carolina may be designated non-attainment. As air knows no boundaries, implementation of emission reduction strategies and support of federal and state rules and regulations will help to provide cleaner air sooner to citizens of South Carolina.

### **What is Ozone?**

Ozone is a gas that occurs both in the Earth's upper atmosphere and at ground level. Ozone is one of six criteria pollutants used by the EPA as an indicator of air quality. Depending on where ozone is found, it can be good or bad. Occurring naturally in the upper atmosphere, ozone acts as a shield from the sun's harmful ultraviolet rays. However, ground-level ozone is a concern during the summer months when the weather conditions are favorable for producing ozone. Ozone is formed by chemical reactions between volatile organic compounds (VOCs) and oxides of nitrogen (NOx) in the presence of sunlight. Ozone is a major ingredient of smog.

### **Ozone Health Effects**

Ozone can cause permanent damage to the respiratory system. Active children are at highest risk from ozone exposure because they often spend a large amount of time outdoors. Active adults of all ages who exercise or work outdoors have an increased risk of exposure to elevated levels of ozone. People with asthma or other respiratory diseases are particularly sensitive to ozone exposure.

### **Sources of NOx and VOCs**

NOx and VOCs come from emissions from the following sources: stationary, area, mobile and natural. Stationary sources include larger permitted industry and power plants. Area sources are small, stationary and non-transportation sources that collectively contribute to air pollution. Area sources include gas stations (emit NOx) and dry-cleaners (emit VOCs). Mobile sources are divided into two categories, on-road and off-road. The off-road mobile sources include trains, ships, boats, airplanes, lawn equipment, and construction equipment. On-road mobile sources include cars, trucks, and buses. Natural sources for VOCs are released from vegetation, mostly trees in South Carolina. Natural sources for NOx are very rare and include emissions from soil, lightning, and oceans.

### **Stakeholder Involvement**

Refer to the progress reports submitted every six months for information regarding the stakeholder process and a complete listing of the stakeholder meetings and public outreach initiatives.

## **Emission Reduction Strategies**

Through the development and implementation of this plan, local emission reduction strategies that are economically feasible and that make sense for the county will be implemented no later than April 2005. In doing so, these efforts should assist the state in achieving the 8-hour ozone standard by December 31, 2007, and maintaining the standard beyond 2012.

A number of federal control measures are in place and/or will be phased in over the next several years. These programs include the Tier II and Low Sulfur Gasoline and also the NOx SIP call. All of these programs have been developed to help areas attain air quality standards.

The state is also proposing new and/or modifications to regulations that will assist non-attainment areas. The State programs could include a regulation that would result in VOC and NOx reductions; modifications to the open burning regulations and a process to assure transportation plans, programs, and projects consider air quality goals.

Attachment 1 contains a list of emission reduction strategies that will be implemented by the county. While it may not be possible to determine emissions reductions for each of the strategies included, directionally sound strategies have been selected and the county anticipates the cumulative impact of adopting each of these strategies will assist in maintaining the standard.

## **Maintenance**

The county will continue to address strategies that will assist in long-term maintenance of the 8-hour ozone standard. DHEC will continue to provide the air quality monitoring necessary to determine attainment of the 8-hour ozone standard. Yearly, at the end of each ozone season, there will be a review and evaluation to determine the effectiveness of the strategies adopted. If necessary, additional emission reduction strategies may be adopted. Maintenance of the standard will depend upon the success of emission reduction strategies implemented as well as federal and state initiatives.

**Early Action Compact Milestone  
June 2003  
Progress Report**

**Greenwood County, South Carolina**

**Overview**

Greenwood County, the City of Greenwood, and the Towns of Ninety Six and Ware Shoals began a process in August of 2002 to develop an Energy Element to include within their multi-jurisdictional Comprehensive Plan. The comprehensive plan is the principal policy document for guiding future conservation and development of the County and its communities. Its purpose is to bring a deliberate, overall direction to the day-to-day decisions of the governing bodies, its commissions and staff. The plan: organizes the desires of the public in regard to the physical, social, economic, and environmental character of Greenwood County; defines a realistic vision of what the County and its communities intend to be twenty years from now; and charts the course of conservation and development that will determine the future character of our communities and the nature of the environment.

Energy conservation measures play an integral role in reducing energy usage and increased cost-saving measures. Because energy use can adversely affect air quality and other natural resources, energy issues are also environmental quality issues. An effective energy conservation plan can help reduce air pollution, improve water quality, and protect prime agricultural lands and wildlife habitats.

The incorporation of an ozone management plan within the Energy Element of the Comprehensive Plan provides the linkages between ozone reduction and other energy conservation measures as well as policy issues concerning community facilities, economics and land use patterns. Furthermore, the relationships between these issues are much easier to identify within a comprehensive document which identifies opportunities for us to explore and develops partnerships with other agencies and organizations.

1. Document progress in developing stakeholder process, including, for example, roles and responsibilities of various stakeholder groups, list of stakeholders, brief summary of stakeholder meetings, stakeholder involvement in development of initial list of control measures, *etc.*

In January, the Greenwood City/County Energy Element Committee was formed and held their first meeting. A listing of individuals and agencies is included in Appendix A which is attached for your review. They have since held a total of 7 meetings; summary minutes are included in Appendix B. On May 22, the committee focused on ozone reduction strategies which are outlined within the *List of Emission Reduction Strategies Under Consideration*. The intent is to finalize the energy element document by August 2003 and forward the element to the Planning Commission and City and County Councils for adoption. The role

of the Energy Element Committee is to review trends in energy usage, identify opportunities for increased participation and develop goals and objectives for implementation. Local media coverage has been limited to identification of the process and encouragement of those interested parties to participate in the development of the element. The committee is reviewing a number of goals and objectives and intends to become more involved with the media once the document is finalized and ready for presentation to various governmental bodies.

2. Report progress on evaluating and selecting emission reduction measures for the local control strategy.

See June 16, 2003 submittal *List of Emission Reduction Strategies Under Consideration* in Appendix C.

3. Describe public outreach activities (press coverage, public presentations, websites, etc.)

The Greenwood County Council reviewed the 8-Hour Ozone Early Action Compact on December 17, 2002, discussed the agreement and voted to approve the motion to work on this project. Notification was given to the *Index Journal* (local newspaper), WYFF (local television) and WCRS FM (local radio station). The *Index Journal* was at this meeting and covered this item within their report on County Council actions in the December 18 edition. No individuals in attendance spoke on this issue. The minutes from this meeting are included in Appendix D.

Greenwood County will be holding public hearings on the Energy Element before the Greenwood City/County Planning Commission and Greenwood County Council, Greenwood City Council and the Town Councils of Ninety Six and Ware Shoals. Press coverage of these items will be encouraged to review the draft as well as incorporate additional participants in the drafting of the document.

4. Provide update on modeling/technical planning activities.

These activities are the responsibility of the State of South Carolina. Refer to the June 2003 Progress Report submitted by the South Carolina Department of Health and Environmental Control, Bureau of Air Quality.

**Appendix A:**

Energy Element Membership

## Energy Element Committee

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Peter Arnoti, Greenwood Economic Alliance

Neal Asman, Self Regional Healthcare

Tommy Balchin, Self Regional Healthcare

Eddie Bartless, Greenwood City/County Planning Commission

Len Bornemann, Greenwood Area Chamber of Commerce

Paula Brooks, Uptown Greenwood Development

Steve Brown, City of Greenwood

Lyda Carroll, The Museum

Richard Farmer, Greenwood County School District 50

John Geer, Duke Power

Rick Green, Upper Savannah Council of Governments

Scott Harris, Town of Ninety Six

Jim Kier, Greenwood County

Dr. Dan Powell, Greenwood County School District 52

Ronnie Powell, City/County Building Official

Steve Reeves, Greenwood CPW

George Rush, Town of Ware Shoals

Donna Sightler, Greenwood Recycling

Larry Smith, Greenwood City/County Engineer

Fay Sprouse, Greenwood County School District 51

Thomas Suttles, Lander University

Jimmy Walters, SC Forestry Commission

Craig White, Fuji Photofilm

Dale Wilson, Piedmont Technical College

Phyllis Zuehlke, Greenwood Parks Commission

**Appendix B:**

Energy Element Summary Minutes



## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – January 30, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on January 30, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Tommy Balchin, Len Bornemann, Steven Brown, Rick Farmer, Rick Green, Scott Harris, Blake Lanford, Phil Lindler, Steve Reeves, Donna Sightler, and Thomas Suttles.

The meeting began with a welcome to and introduction of the members of the committee. Mr. Brown recognized that the City/County Building Inspector was not listed.

The next item discussed included the purpose of the committee. Mr. Lindler detailed that this committee was an advisory group to the Greenwood City/County Planning Commission and that the main goal of the group was to complete the energy element of the comprehensive plan. He explained what the comprehensive plan was and described the other seven elements of the plan. A brief explanation was given of the grant process in which funds were made available to prepare the document.

The group reviewed a proposed mission statement that describes the purpose in the committee and the tasks to be produced.

There was discussion as to what specific types of energy items would be mentioned in the element. Mr. Lindler stated that if the committee felt that an energy component was important, it should be mentioned. He also told the group that an overall energy assessment would be ready by the next meeting for everyone's review. This would provide everyone with some background about energy use within the Greenwood County area.

The group moved to hold their next meeting on February 20<sup>th</sup> at 10:00 a.m. in Room 104 of the Park Plaza office building.

The group adjourned at 10:45 a.m.

## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – February 20, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on February 20, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Tommy Balchin, Paula Brooks, Lyda Carroll, Rick Farmer, Rick Green, Scott Harris, Blake Lanford, Phil Lindler, Dan Powell, Donna Sightler, and Thomas Suttles, Dale Wilson.

The meeting began with a welcome to and introduction of the members of the committee. The committee reviewed the minutes from the last meeting. No changes were noted. The committee also reviewed the mission statement that was proposed at the last meeting. No comments were received.

Phil Lindler reviewed the Proposed Task Sheet with the committee. The task sheet identified the items to be completed by the committee. Mr. Lindler expressed that the intent of the task sheet was to show the process that the group would employ to complete the element.

Phil Lindler presented the initial findings of the data collected to date. The presentation identified our local energy usage, what types of energy are utilized, who supplies the energy and where the energy that is utilized is produced. Tommy Balchin noted that there is a refinery located north of the City of North Augusta.

The committee then discussed various ways that energy conservation can be encouraged at the local level. Phil Lindler identified the differences between the types of renewable and nonrenewable energy. Donna Sightler mentioned that Greenwood County was exploring the ability to generate energy from methane at the landfill and that the consultant working on the project would have a report within the next few months. Tommy Balchin, Thomas Suttles and Dale Wilson identified projects that Self Regional Healthcare, Lander University and Piedmont Technical College, respectively, have worked on to reduce their energy needs and reduce costs. Past relationships with the SC Energy Office were also noted. Ms. Sightler also mentioned the “Energy to Learn” program from the SC Energy Office that serves to educate South Carolinians about energy matters. Mr. Lindler noted some of the efforts that local governments are working on to reduce vehicle trips such as clustering of housing and the Upper Savannah Council of Governments’ work on mass transit. Mr. Wilson questioned what amount of energy usage is required for water and sewer in Greenwood County.

The group moved to hold their next meeting on March 13<sup>th</sup> at 10:00 a.m. in Room 104 of the Park Plaza office building.

The group adjourned at 11:00 a.m.

## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – March 13, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on March 13, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Tommy Balchin, Len Bornemann, Paula Brooks, Steven Brown, Lyda Carroll, Rick Farmer, Rick Green, Scott Harris, Blake Lanford, Phil Lindler, Donna Sightler, and Thomas Suttles.

The meeting began with a welcome to committee. The committee reviewed the minutes from the last meeting. No changes were noted. The committee also reviewed the mission statement that was proposed at the last meeting. No comments were received.

Phil Lindler provided those in attendance with a copy of the draft Energy Assessment. Mr. Lindler briefly identified each section of the document. There was discussion on various items within the document including providers of other fuels, percentage of transportation energy consumption for the county versus the state, notations for the Towns of Ninety Six and Ware Shoals, additional information to be included on Self Regional Healthcare, identification of energy consumption for state agencies, and per capita data. Len Bornemann stated that National Textiles uses woodchips as a way to generate steam. Mr. Lindler requested that the members review the document and note any changes, deletions or additions to the draft for inclusion within the overall Energy Element.

Phil Lindler made a presentation on energy-related topics in the 1999 Comprehensive Plan. He identified items previously mentioned in the document that could be defined as relevant energy information. Also included were the objectives identified in the plan that had a direct impact on the topics for energy conservation. Rick Green gave a brief explanation on the Upper Savannah Land Trust and Donna Sightler defined a "Pay-as-You-Throw" System for solid waste collection. There was also general discussion of some of the additional topics.

The committee then discussed the absence of the energy agencies. Len Bornemann suggested that staff contact Mr. Steve West with Duke Power. Scott Harris also noted that Mr. Britton with Duke Power might be interested in being a representative on the committee.

The group moved to hold their next meeting on April 3<sup>rd</sup> at 9:00 a.m. in Room 104 of the Park Plaza office building due to a scheduling conflict during the 10 o'clock hour.

The group adjourned at 11:00 a.m.

## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – April 24, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on April 24, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Len Bornemann, Paula Brooks, Rick Green, Brenda Holland, Blake Lanford, Phil Lindler, Jeff Meredith, and Thomas Suttles.

The meeting began with a welcome to committee. The committee reviewed the minutes from the last meeting. No changes were noted.

Phil Lindler asked if there were any additional changes to the Energy Assessment. He noted that changes had been received by CPW and Lander University.

The Energy Element Committee discussed energy conservation opportunities that would be utilized as goals and objectives. The committee discussed land use items such as mixed-use development, infill and redevelopment, compact development and clustering, and full utilization of infrastructure. The committee also looked at street and parking design within the transportation sector. The committee made comments and requests for changes within the Summary of Strategies and Approaches for Energy Conservation. These changes included a clarification of home occupations and accessory housing units, noting the need to encourage second story housing in Uptown Greenwood, clarification of brownfields, modify the compact development and clustering section to be more specific and include open space standards. The committee recommended the removal of the full utilization of infrastructure section, add parking area connectivity to the street and parking design section, and remove all objectives that not directly energy-related. Len Bornemann suggested that those items that are addressed within the proposed zoning ordinance be mentioned and separated so that if the zoning ordinance was to be passed prior to adoption of the element, that these items be taken out of the Energy Element.

The group moved to hold their next meeting on May 8<sup>th</sup> at 10:00 a.m. in Room 104 of the Park Plaza office building to continue discussion of strategies.

The group adjourned at 11:00 a.m.

## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – May 8, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on May 8, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Len Bornemann (Greenwood Area Chamber of Commerce), Lyda Carroll (The Museum), Rick Farmer (Greenwood School District 50), Brenda Holland (Piedmont Technical College), Jeff Meredith (Greenwood Commissioners of Public Works), Donna Sightler (Greenwood County Recycling), and Phil Lindler (Greenwood City/County Planning).

The meeting began with a welcome to committee. The committee reviewed the minutes from the last meeting. No changes were noted.

The Energy Element Committee discussed energy conservation opportunities that would be utilized as goals and objectives. The committee reviewed Chapter IV and did not make any changes. The committee then discussed transportation items such as multi-modalism and travel alternatives. Members noted the achievements of Upper Savannah Council of Governments towards the study of transit within the region and the teleconferencing facility at Piedmont Technical College. The committee made comments and requests for changes within the Summary of Strategies and Approaches for Energy Conservation. These changes included ways to expanding partnerships with Piedmont Tech in teleconferencing as well as continuation of studies towards assessment of the need for transit systems. The committee also discussed environmental and housing items. Specifically, the topics included urban forestry and landscaping, open space, alternative fuels and recycling. Changes that were noted included changing the phrasing to encourage continued work in these areas and refer to the accomplishments that have been made locally. The staff will work towards modifying this language to be more specific and detail our local accomplishments in energy conservation.

The group moved to hold their next meeting on May 22<sup>nd</sup> at 10:00 a.m. in Room 104 of the Park Plaza office building to continue discussion of strategies.

The group adjourned at 11:00 a.m.

## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – May 22, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on May 22, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Stephen Addis (Duke Power), Tommy Balchin (Self Regional Healthcare), Paula Brooks (Uptown Greenwood), Lyda Carroll (The Museum), Rick Green (Upper Savannah Council of Governments), and Phil Lindler (Greenwood City/County Planning).

The meeting began with a welcome to committee. The committee reviewed the minutes from the last meeting. No changes were noted.

The Energy Element Committee discussed ozone issues that related to the 8-hour Ozone and Early Action Compact being coordinated by DHEC. Phil Lindler gave a presentation of how ozone occurs, which areas of South Carolina have exceeded the ozone limits, what the potential sources of volatile organic compounds and oxides of nitrogen are in the Upstate and Lower Savannah regions, and what growing trends in public health can be attributed to increased ozone levels. The committee reviewed a listing of emission reduction strategies compiled from previously discussed energy conservation measures that have ozone reduction implications. Two new areas that were approved by the committee were the development of a Seasonal Ozone Awareness Program (SOAP) and an Ozone Reduction Action Plan (ORAP).

The committee continued discussion on the Summary of Strategies and Approaches for Energy Conservation Table. The committee reviewed housing and community facilities issues. Discussion focused on Duke Energy's energy-efficiency program and ways to promote this program more within Greenwood County. The topic of teleconferencing facilities were again discussed and Capsugel, Fuji, Self Regional Healthcare, Lander University, Upper Savannah Council of Governments and the James Self Genetics Center were all mentioned as other sites that need to be mentioned within the document as potential partners in the community. Lastly, the committee discussed adding a strategy to include studying the need for a ride-sharing program and a review of state legislation for school locations.

The group moved to hold their next meeting on June 5<sup>th</sup> at 10:00 a.m. in Room 104 of the Park Plaza office building to continue discussion of strategies.

The group adjourned at 11:00 a.m.

## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – June 5, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on June 5, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Stephen Addis (Duke Power), Tommy Balchin (Self Regional Healthcare), Len Bornemann (Greenwood Area Chamber of Commerce), Lyda Carroll (The Museum), Rick Green (Upper Savannah Council of Governments), Jeff Meredith (Greenwood CPW), Thomas Suttles (Lander University), Jimmy Walters (SC Forestry Commission), Dale Wilson (Piedmont Technical College), Phil Lindler (Greenwood City/County Planning), and Blake Lanford (Greenwood City/County Planning).

The meeting began with a welcome to the committee. The committee reviewed the minutes from the last meeting. No changes were noted.

The committee continued discussion on the Summary of Strategies and Approaches for Energy Conservation Table. The committee reviewed community facilities and economic development issues. Discussion focused on modifying the text to reflect the continuation of our current programs. Len Bornemann and Phil Lindler identified that a number of the listed objectives have either been met or the text modified to reflect the encouragement of the continued work in these areas. Thomas Suttles noted the International Building Code as a positive and negative as it enhances energy efficiency in new construction as well as possibly increase costs for reuse of existing buildings bringing them up to code. There was also discussion of the identification of costs when evaluating the overall energy use of facilities. The topic of state law requirements for public school sites also was mentioned. Len Bornemann identified Self Regional Healthcare as a local example for reuse of existing structures. The Riegal Mill Site in Ware Shoals was also noted.

The group moved to hold their next meeting on June 26<sup>th</sup> at 10:00 a.m. in Room 104 of the Park Plaza office building to finalize the discussion of strategies.

The group adjourned at 11:00 a.m.

## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – June 26, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on June 26, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Stephen Addis (Duke Power), Tommy Balchin (Self Regional Healthcare), Len Bornemann (Greenwood Area Chamber of Commerce), Lyda Carroll (The Museum), Rick Green (Upper Savannah Council of Governments), Jeff Meredith (Greenwood CPW), Thomas Suttles (Lander University), Dale Wilson (Piedmont Technical College), and Phil Lindler (Greenwood City/County Planning).

The meeting began with a welcome to the committee. The committee reviewed the minutes from the last meeting. No changes were noted.

The committee continued discussion on the Summary of Strategies and Approaches for Energy Conservation Table. The committee reviewed economic development issues concerning Facilities, Technology and Processes and Regulations and Incentives. Discussion focused on possible partnerships for demonstration projects or education of energy-efficient design principles. Phil Lindler noted a wording change to financial disincentive objective.

The group then reviewed Chapter V. Comments concerning this section included identifying studies on the potential to burn or utilize solid waste as a fuel source for reducing landfill space and increase potential industrial fuel uses, the study of ice storage as a possible cooling alternative and adding additional wording to the geothermal energy section concerning geothermal heat pumps.

The committee reviewed Chapter IV and noted the need for public awareness of the ozone situation. Potential public awareness/education possibilities were discussed.

The group moved to hold their next meeting on July 10<sup>th</sup> at 10:00 a.m. in Room 104 of the Park Plaza office building to finalize the discussion of Chapter IV and the Strategy Table.

The group adjourned at 11:00 a.m.



## Greenwood City/County Comprehensive Plan

Energy Element Committee Summary Minutes – July 31, 2003

The Energy Element Committee of the Greenwood City/County Comprehensive Plan met on June 26, 2003 at 10:00 a.m. in Room 104 of the Park Plaza Office Building. Those members in attendance included Stephen Addis (Duke Power), Lyda Carroll (The Museum), Blake Lanford (Upper Savannah Council of Governments), and Phil Lindler (Greenwood City/County Planning).

The meeting began with a welcome to the committee. The committee reviewed the minutes from the last meeting. No changes were noted.

The committee continued discussion on Chapter VII. The committee reviewed accountable agencies and time frames for each of the remaining strategies. The committee requested that Phil Lindler contact those groups not present at the meeting to get their input on whether they would be willing to serve as the accountable agency or a timeframe as to when they think the strategy could be completed. The chapter will be revised with the information and included within the final draft at the next meeting.

The group moved to hold their final meeting on August 21<sup>st</sup> at 10:00 a.m. in Room 104 of the Park Plaza office building to finalize the draft of the Energy Element

The group adjourned at 10:45 a.m.

**Appendix C:**

*List of Emission Reduction Strategies Under Consideration*

**Appendix D:**

Greenwood County Council Minutes

December 17, 2002

**REGULAR MEETING  
GREENWOOD COUNTY COUNCIL  
GREENWOOD COUNTY COURTHOUSE  
ROOM 201  
DECEMBER 17, 2002  
5:30 P.M.**

**PRESENT:**

GONZA L. BRYANT  
JOHN D. COMPTON  
RICHARD W. CROWE  
EDITH S. CHILDS  
BOBBIE HANSEN  
PATRICK MOODY  
ROBBIE TEMPLETON

James N. Kier, County Manager  
Thessa G. Smith, Assistant County Manager  
Joan C. Everette, Clerk to Council  
Charles M. Watson, Jr, County Attourney

**CALL TO ORDER**

This meeting of Greenwood County Council is now called to order. This is a regular meeting of County Council. Notice of this meeting has been given by mailing an agenda to The Index Journal, The Greenville News, and WCRS radio. An agenda has also been posted on the front door of the Courthouse.

**INVOCATION**

Ms Bobbie Hansen, Councilwoman, gave the invocation.

**PLEDGE OF ALLEGIANCE****APPROVAL OF THE MINUTES OF THE DECEMBER 3, 2002, REGULAR MEETING.**

Mr. Crowe made a motion to approve the minutes.

Mr. Moody seconded the motion.

Council unanimously approved the motion.

**THIRD READING AND PUBLIC HEARING**

An Ordinance to amend Ordinance No. 08-02 dated May 26, 2002, (Ordinance to control aggressive or menacing dogs to help reduce attacks on people and to provide criminal penalties and civil procedures for the enforcement hereof).

Mr. Bryant opened the Public Hearing and asked anyone desiring to speak to come forward. Mr. Dan Richardson addressed Council in support of the ordinance. After no one else expressed a desire to speak, Mr. Bryant closed the Public Hearing and asked Council for a motion.

Mr. Templeton made a motion to approve the amendment to the Ordinance.

Ms. Childs seconded the motion.

Council unanimously approved the motion.

### **PUBLIC HEARING**

A Public Hearing to receive comments regarding a quit-claim and property line agreement for property located near Tract L-51 and L-52 at Lake Greenwood (Ivester Road off Skillet Road).

Due to an incomplete survey, Mr. Bryant announced that no action would be taken by Council during this meeting.

### **PUBLIC HEARING**

A Public Hearing to receive comments regarding the deeding of Brewer Boarding Home to GLEAMNS.

Mr. Bryant opened the Public Hearing and asked anyone desiring to speak to come forward. After no one expressed a desire to speak he closed the Public Hearing and asked Council for a motion.

Ms. Childs made a motion to deed Brewer Boarding Home to GLEAMNS.

Mr. Compton seconded the motion.

Council unanimously approved the motion.

### **PUBLIC HEARING**

A Public Hearing to receive comments regarding release of a corner of existing right-of-way on Blakedale Circle.

Mr. Larry Smith, County Engineer, said Mr. Bill Thomason had requested a small corner of the existing right-of-way that is not necessary to the maintenance of the cul-de-sac at the end of Blakedale Circle. Mr. Smith said he had investigated the corner and found that it is not needed for maintenance of the road since SCDOT closed the exit at US 25 and the County quit-claimed the old road section to C.Y. Thomason Company and Mr. Charles Walker. This wedge is between the road right-of-way to be retained and the Thomason property. Larry recommended that this portion is quit-claimed and released to the C. Y. Thomason Company and joined with their parcel.

Mr. Bryant opened the Public Hearing and asked anyone desiring to speak to come forward. After no one expressed a desire to speak he closed the Public Hearing and asked Council for a motion.

Mr. Crowe made a motion to approve Mr. Smith's recommendation to grant the request.

Mr. Templeton seconded the motion.

Council unanimously approved the motion.

### **FIRST READING**

An Ordinance to amend the Greenwood County Zoning Ordinance, being Ordinance Number 13-86, dated December 2, 1986, as and if amended so that properties located at 121 Henderson Street is rezoned from R-1 (Single Family Residential) to C-2 (General Commercial).

Mr. Bryant read the title. The Second Reading and Public Hearing will be held January 7, 2003.

### **FIRST READING**

An Ordinance to convert Sewer Sub Districts to Special Tax Districts and/or merge Sewer Sub Districts with Existing Special Tax Districts.

Mr. Bryant read the title. The Second Reading and Public Hearing will be held January 7, 2003.

### **COMMITTEE REPORTS**

#### **Administration and Finance**

##### **Consideration of a request for the name of a Circle to be extended**

Mr. Bryant reported a request by the Genetic Center Board of Directors for the name "Gregor Mendel Circle" (just off Liner Drive) to be extended to include the new road that circles the additions to the Genetic Center. Mr. Bryant asked Council for a motion.

Ms. Childs made a motion to approve the request for the name "Gregor Mendel Circle" to be extended to include the new road.

Mr. Moody seconded the motion.

Council unanimously approved the motion.

##### **Consideration of a request for grant matching funds for GAMES**

Mr. Bryant reported a request from GAMES (Greenwood, Abbeville, McCormick, Edgefield, Saluda) Homeless Coalition. Rebecca Lee Grigg, President requested \$2,300 from each of the five counties for a match to obtain a grant of \$218,668

for transitional housing through HUD. Before the money can be received a letter of commitment from each county is needed. MEG's House was selected by participants in the GAMES Coalition to serve as the project applicant.

Mr. Bryant asked for a motion.

Mr. Compton made a motion to approve \$2,300 for GAMES.

Ms. Childs seconded the motion.

Council unanimously approved the motion.

### **Consideration of a request for grant matching funds for the Children's Center**

Mr. Bryant reported a request for \$5,000 from the Children's Center Executive Director, Sally Baggett, on behalf of the Healthy Families Greenwood County program. The funds were requested to match a grant through the SC Department of Health and Human Services. The \$5,000 will bring \$15,000 into Greenwood County to support the Healthy Families program.

Mr. Bryant asked for a motion.

Mr. Templeton made a motion to approve the \$5,000 requested.

Mr. Compton seconded the motion.

Council unanimously approved the motion.

### **Consideration of the South Carolina's 8-Hour Ozone Early Action Compact**

Mr. Bryant reported the request to consider the South Carolina's 8-Hour Ozone. Mr. Kier briefed Council. The Environmental Protection Agency (EPA) has provided an option for areas currently meeting the 1-hour ozone standard to attain the 8-hour ozone standard by December 31, 2007, and obtain cleaner air sooner than federally mandated. Mr. Kier said this is a chance to work together with EPA, South Carolina Department of Health and Environmental Control (DHEC) and local governments to provide strategies and implement processes to meet the emissions control. It will provide us an opportunity to meet the clean air standard earlier than December 31, 2007. The state working with EPA and local government will share in the cost and the information being developed throughout the state. We have the option to drop out at any time. We would then have to meet the standards by December 2007 ourselves. The Association of Counties recommends that counties participate. Mr. Kier strongly recommended that Council sign the agreement.

Mr. Compton made a motion to sign the agreement.

Mr. Moody seconded the motion

Council unanimously approved the motion.

**Planning and Development** - No report.

Mr. Moody reminded Council of the invitation from the Planning Department to attend a drop-in and thanked Phil Linder, Planning Director, for the invitation.

**Public Works** - No report.

Mr. Crowe thanked the Public Works' for lunch and the work they have done this year. He thanked the Engineer Department staff for their assistance to the Public Works Department's accomplishments this year.

**Education** – No report.

Mr. Templeton informed Council of his opportunity to witness some DARE graduations in the schools. He commended Sgt. Simmons for the job he does with the children of Greenwood County.

**Public Safety, Health and Welfare** – No report.**Justice**

Mr. Compton asked Council to consider a matter that was not on the agenda regarding victims assistance funding. He recommended that Council take up a motion to accept first reading of a proposed ordinance to add an additional \$20,000 in funding out of victims assistance funds for the purpose of allocating money through the victims assistants officer to volunteer agencies in the community. Mr. Kier said the request is to amend the current budget ordinance transferring from Victims Assistance fund \$66,069. It covers the employees in the Victims Assistance office and their fringe benefits. It also provides communications equipment for the department and requested by the Sheriff and \$20,000 that can be utilized by the outside agencies to perform services in conjunction with Sheriff's Department to serve victims of crime. This will be on a contract basis between the Sheriff's Department and the other agencies.

Mr. Compton made a motion to approve for first reading an ordinance to amend the current budget ordinance.

Ms. Childs seconded the motion.

Council unanimously approved the motion.

**Recreation, Agriculture, Forestry and Military Affairs** - No report.**Appointments**

Consideration of a request for four reappointments to the County Planning Commission

Mr. Templeton said the Appointments Committee was not ready to make a recommendation at the time of this meeting. He asked all of the Council members to review the information in their books and to inform the committee of any recommendations they wanted to be considered.



**DISTRICT REPORTS**

District #1 – Ms. Childs announced that a free Christmas dinner would be held on Christmas Day and asked Council to come help serve the less fortunate.

District # 7 – Mr. Crowe thanked those responsible for the Christmas parades in Hodges, Ware Shoals, and Cokesbury College Celebration. Mr. Crowe said he is planning the annual District 7 meeting for the third Tuesday, February 18. He asked for the County Manager and Council Clerk to arrange for each community in district 7 and the major department heads to attend.

**MANAGER'S REPORT**

Mr. Kier reported that on December 10 the Budget and Control Board met and made budget cuts. The local government fund was cut \$6,739,973 and Greenwood County's portion of that cut was \$92,715.

Also, the County will observe Christmas on December 25 and 26.

Mr. Bryant presented to Ms. Hansen a plaque in appreciation for her service to Greenwood County Council. Mr. Bryant asked for a motion from Council for a resolution to be done in honor of Ms. Hansen.

Mr. Moody made a motion for a resolution to be done to honor Ms. Hansen.

Mr. Compton seconded the motion.

Council unanimously approved the motion.

**ADJOURNMENT**

There being no further business, Mr. Templeton made a motion to adjourn.

Mr. Compton seconded the motion.

Council unanimously approved the motion.

The meeting adjourned at 6:05 P.M.

Joan C. Everette  
Clerk to Council